

Fig. 1.

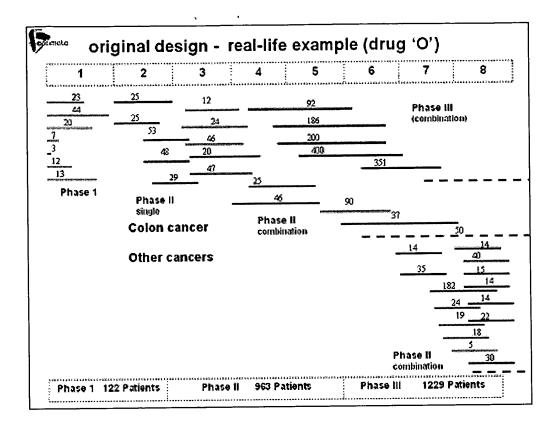


Fig.2A.

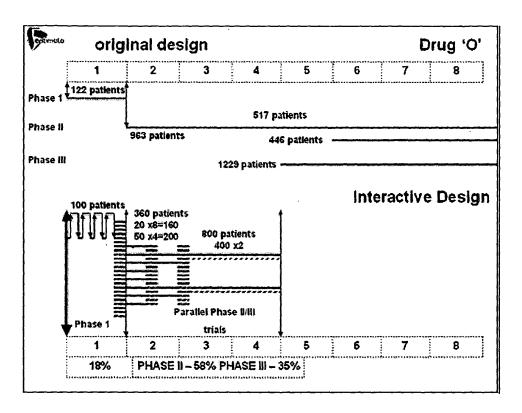


Fig. 2B.

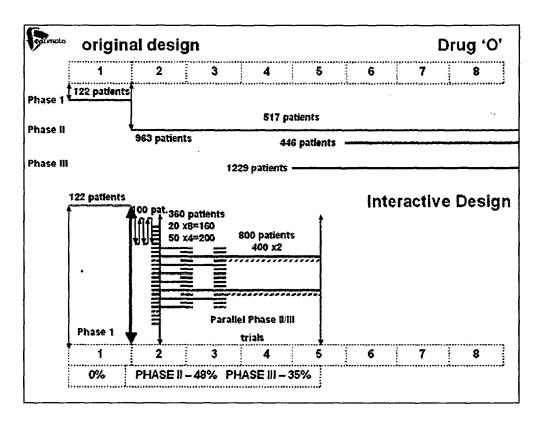


Fig. 2C.

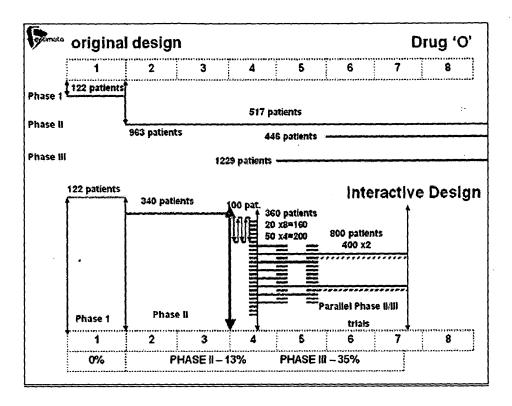


Fig. 2D.

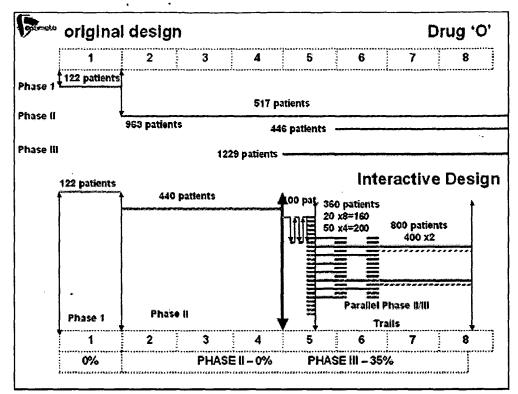


Fig. 2E.

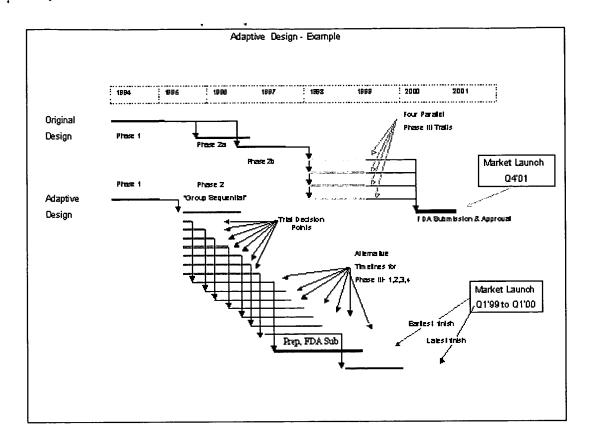
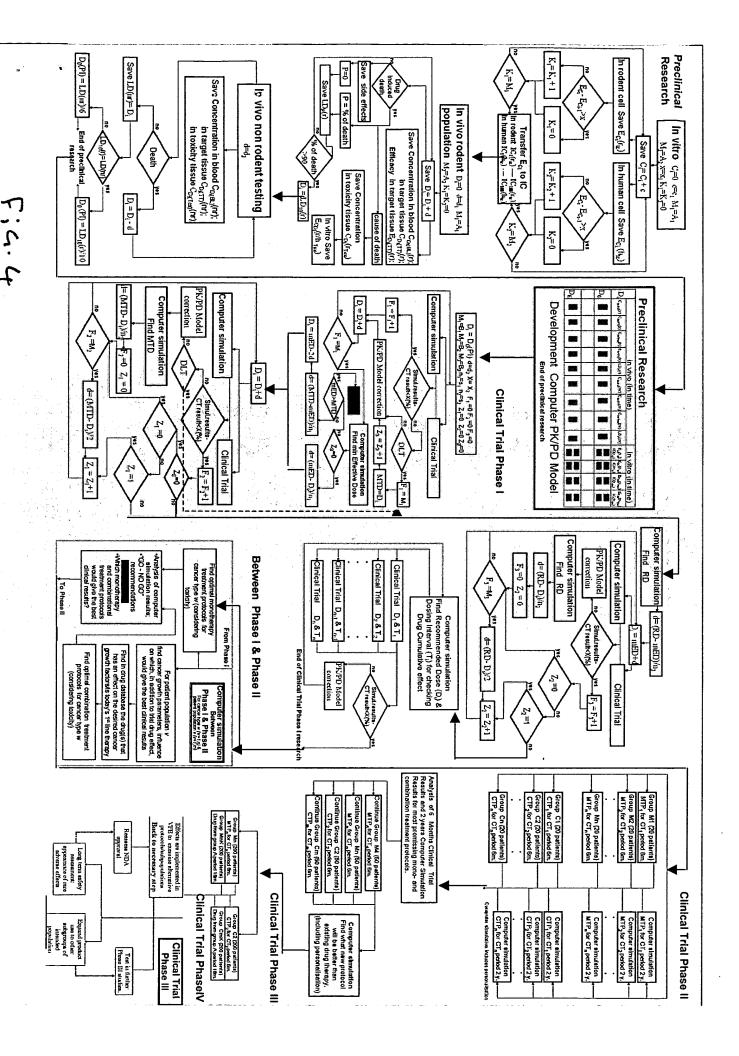
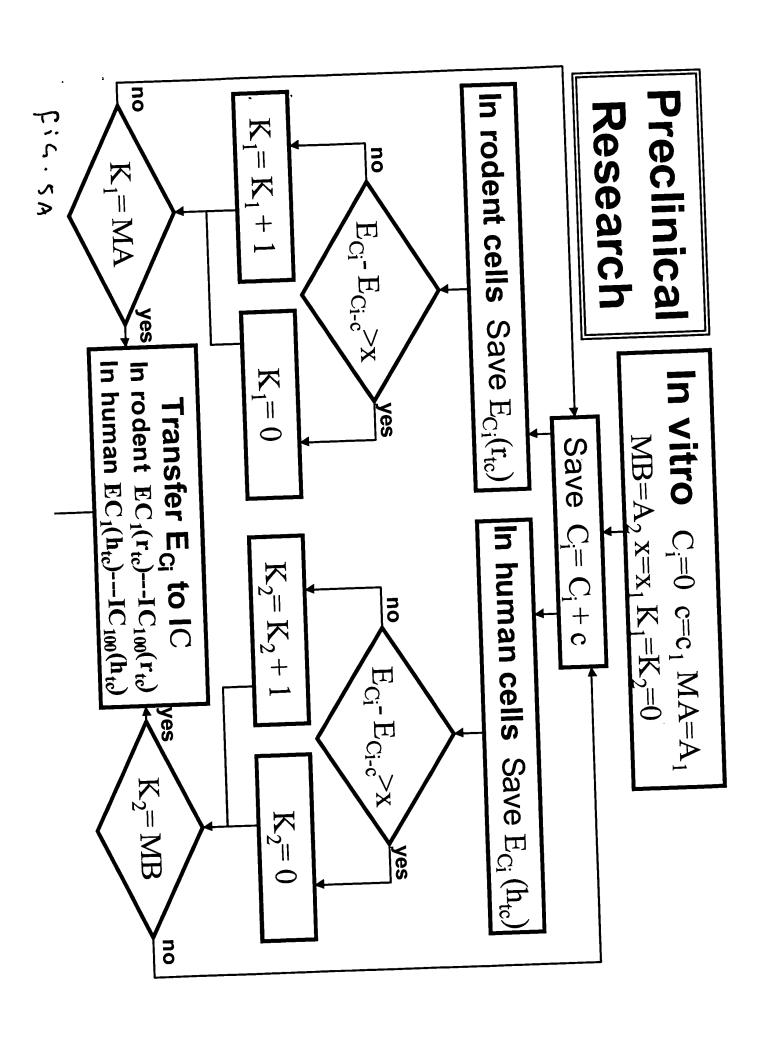
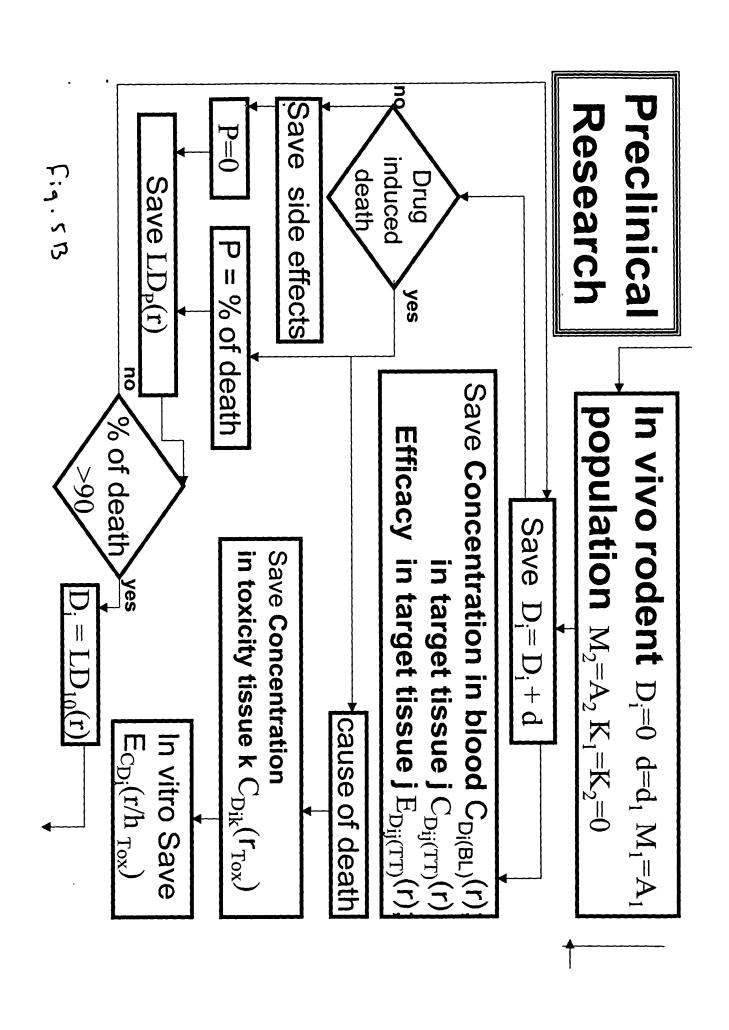
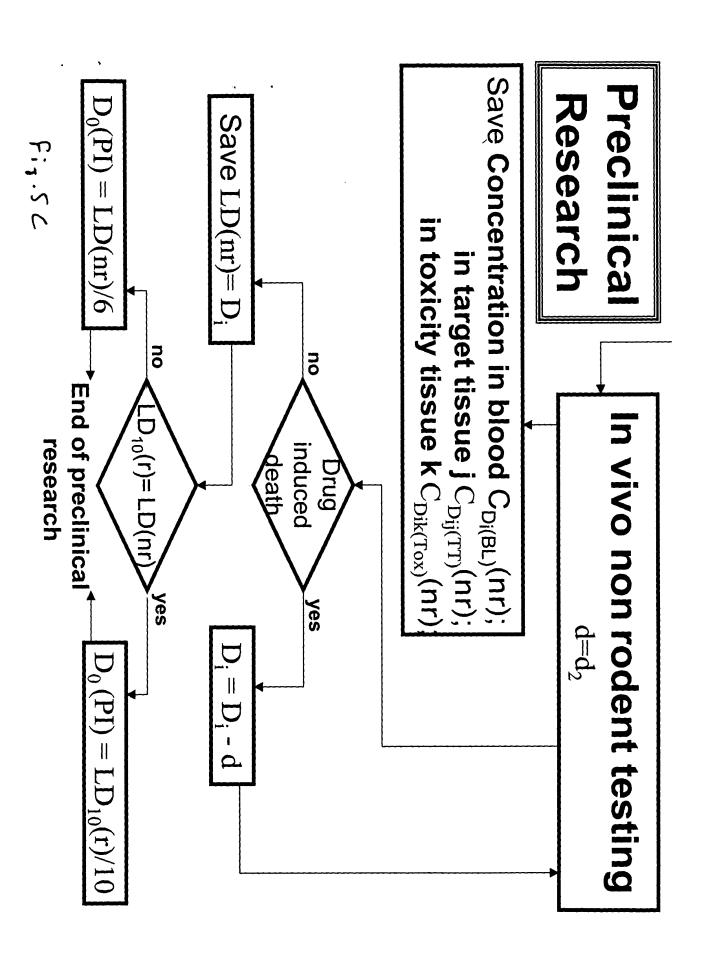


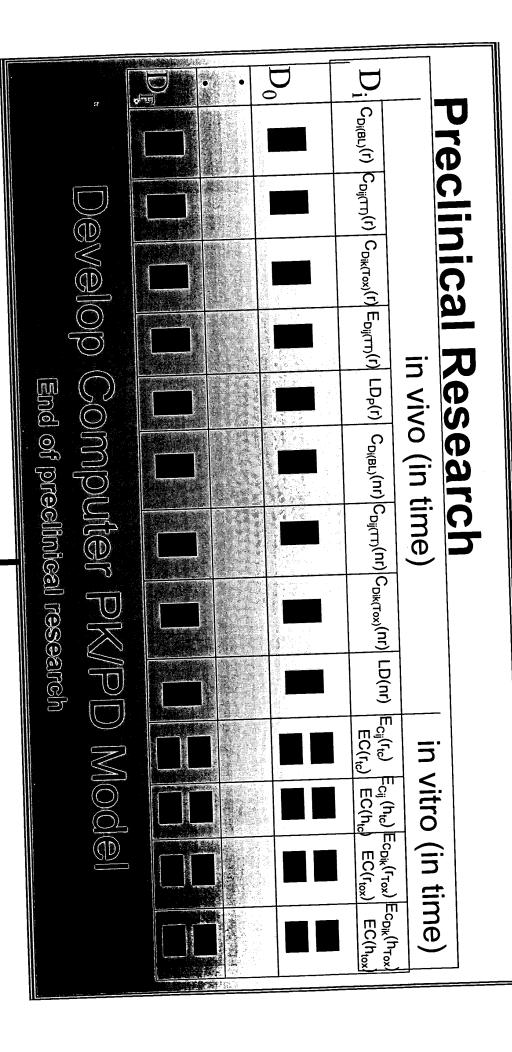
Fig. 3.





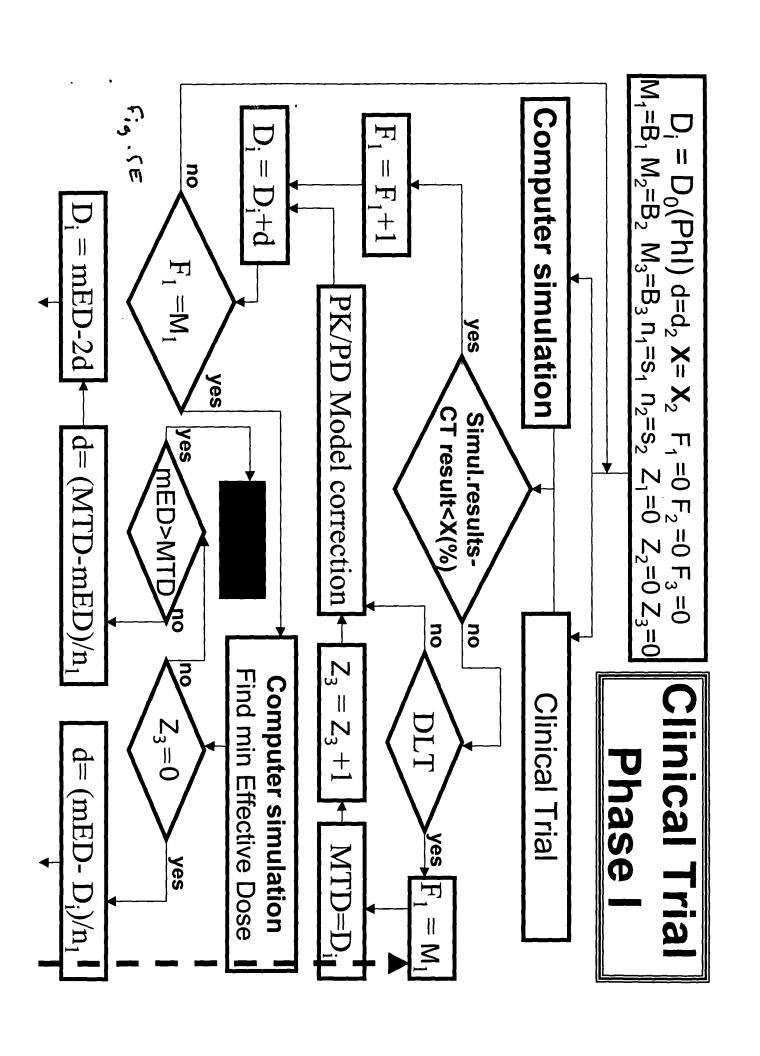


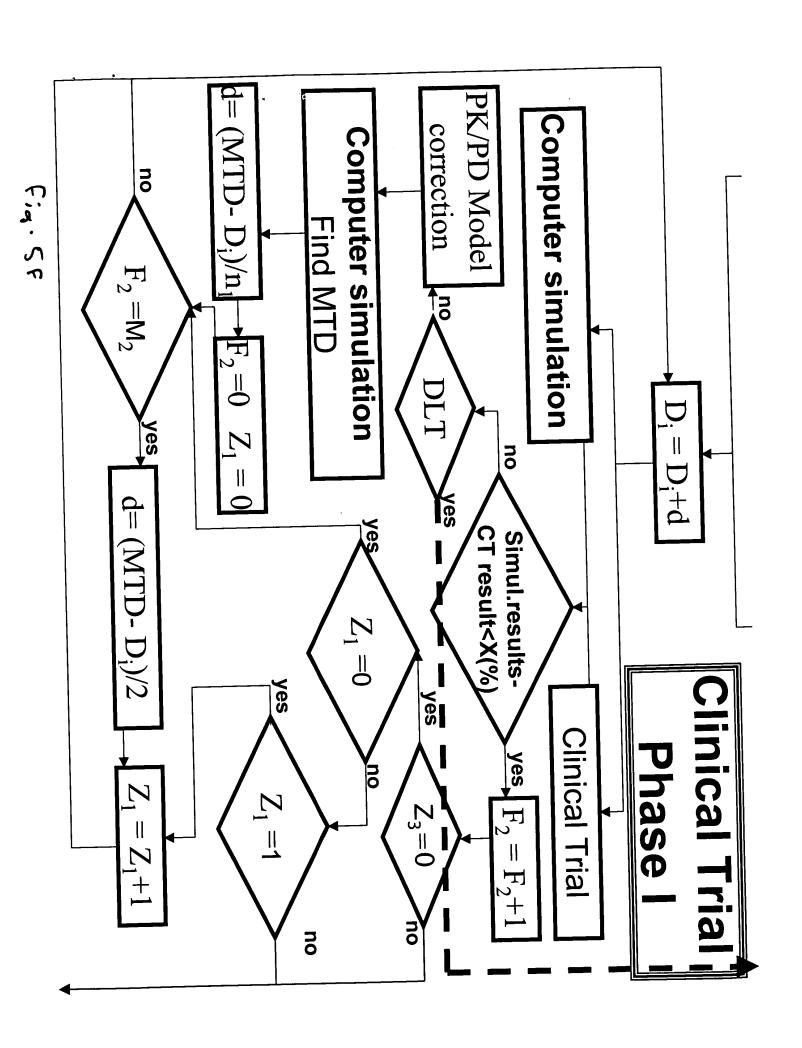


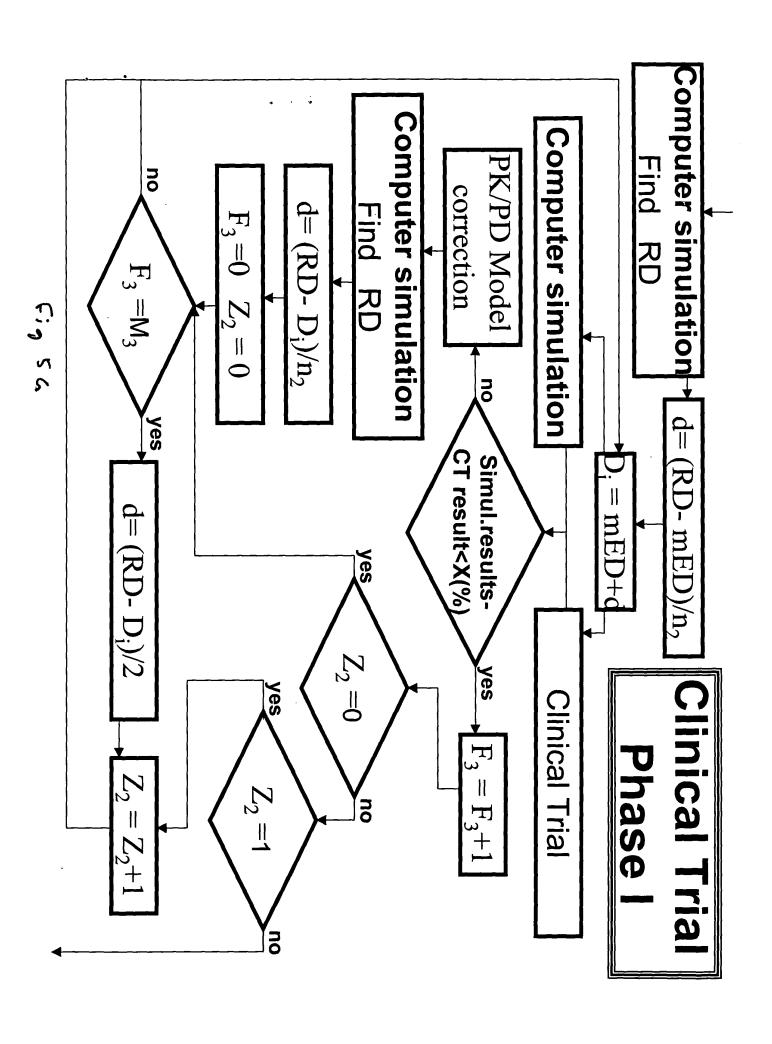


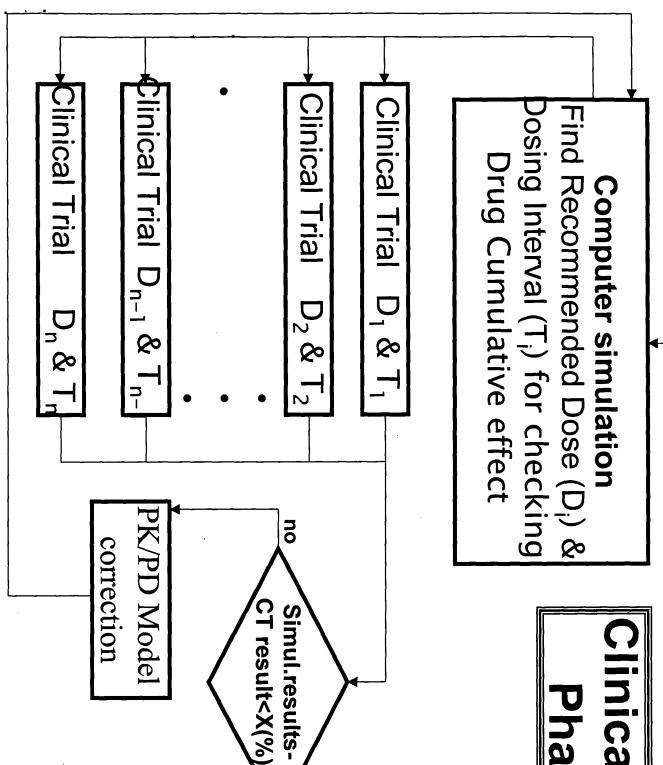
419.5D

Clinical Trial Phase









Clinical Trial Phase

End of Clinical Trial Phase I research

F > 9.5 H

From Phase

Find optimal monotherapy treatment protocols for cancer type w (also considering toxicity)

Computer simulation Between Phase I & Phase II

For cancer type w (w=1,n) & patient population v (v=1,m)

•Analysis of computer simulation results;
•"GO - NO GO"

Which monotherapy "and comotherapy"

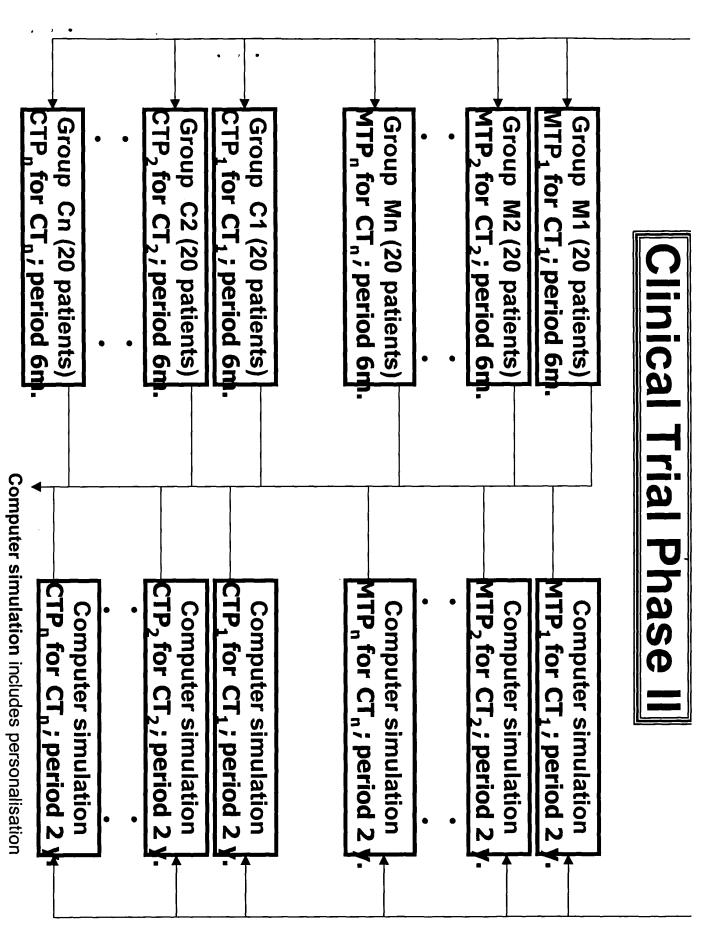
recommendations

and combinational treatment protocols would give the best clinical results?

For patient population *v* find cancer growth parameters, influence on which, in addition to trial drug effect, would give the best clinical results

Find in drug database the drug(s) that has an effect on the desired cancer growth factors/is today's 1st line therapy

Find optimal combination treatment protocols for cancer type w (also considering toxicity)



R18.55

Analysis of 6 Months Clinical Trial Results and 2 years Computer Simulation Results for most promising mono- and combination treatment protocols.

Clinical Trial Phase II

Continue Group M4 (50 patients)

MTP₄ for CT₄; period 6m.

Continue Group Mn (50 patients)

MTP, for CT, period 6m.

Continue Group C2 (50 patients)
CTP, for CT, period 6m.

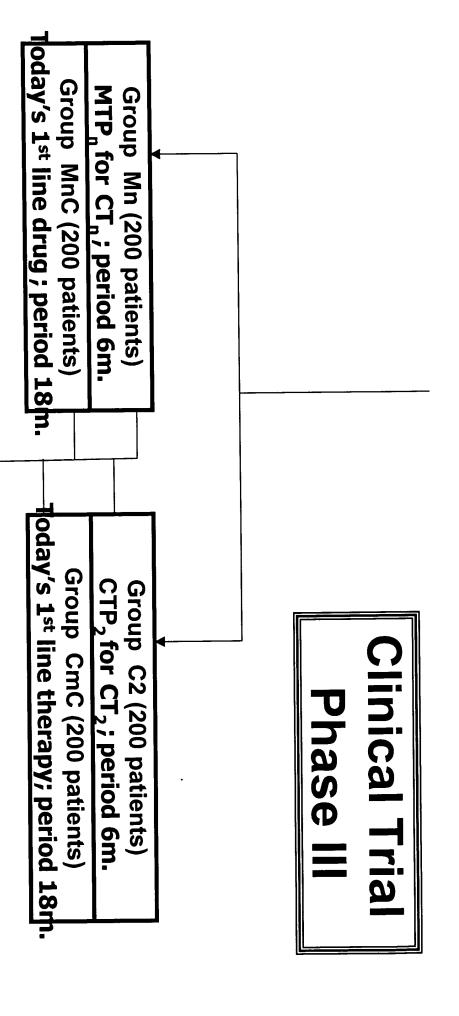
Continue Group Cm (50 patients)
CTP_m for CT_m; period 6m.

Computer simulation

Find what new protocol will be better than existing drug therapy (including personalisation)

End of Clinical Trial Phase II research

F:5.5K

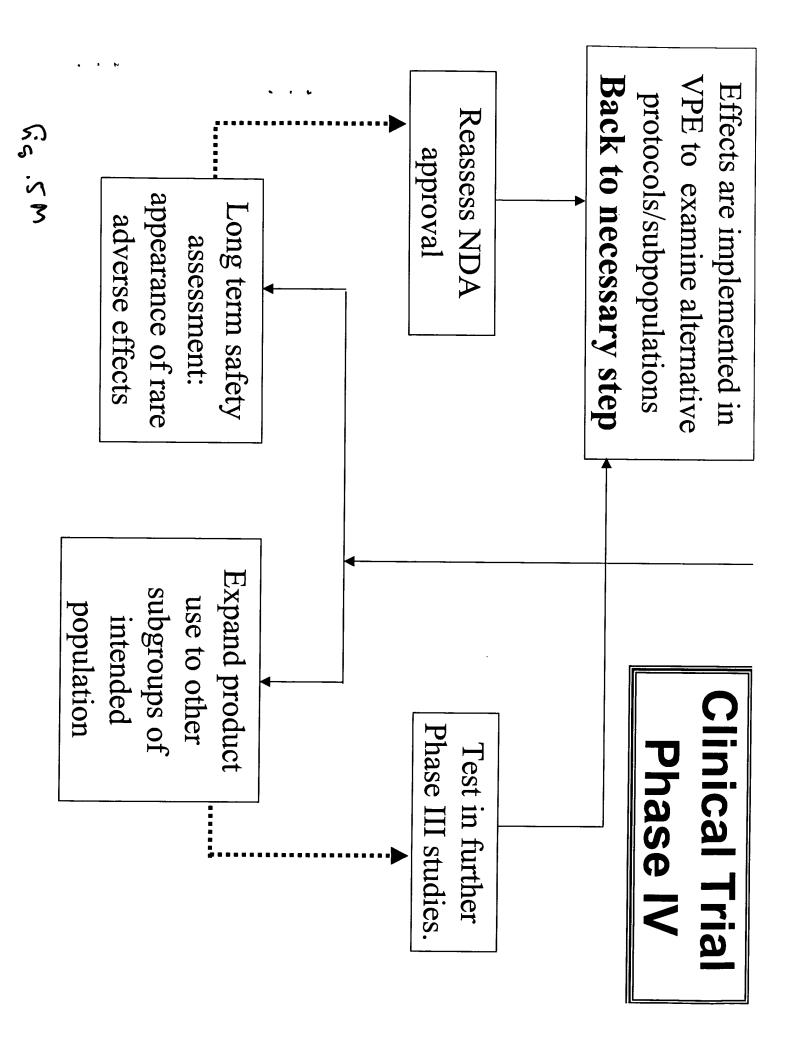


F16.5L

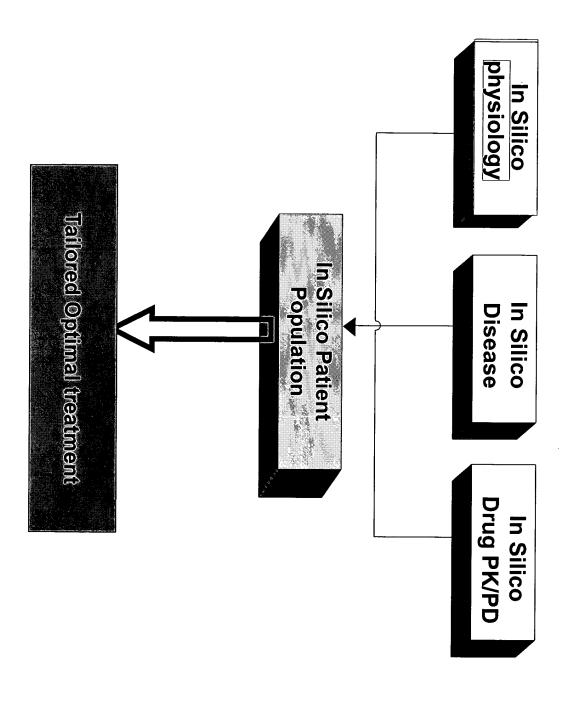
To Phase IV

End of Clinical Trial

get FDA Approval



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5.5.6